

C++ Doxygen Code Templates

Below are the ASTG standard C++ templates. The first sample shows proper use of Doxygen tags in a header file:

```

/*****
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610.3
 *****/

#ifndef CLASSNAME_H
#define CLASSNAME_H

// TODO_add_include_files

/**
 * TODO_one_line_description_of_class.
 *
 *
 * TODO_longer_description_of_class_meant_for_users._Developer_details_should_
 * be_put_in_the_.cpp_implementation
 *
 * @author  TODO_name, TODO_organization
 * @date    TODO_dd_mmm_yyyy
 *
 * Revision History:
 * TODO_dd_mmm_yyyy - TODO_describe_appropriate_changes - TODO_name
 */

class
ClassName
{

public
:

/** TODO_describe_ctor. */
    ClassName();

/** TODO_describe_dtor. */
    virtual ~ClassName();

/** TODO_describe_accessor.
 * @return TODO_describe_return_value. */

int
getSomeMember()

```

```

    const

{

    return
    m_someMember;
}

/** TODO_describe_mutator.
    * @param someMember TODO_describe_input_param. */

    void
    setSomeMember(

        int
        someMember)
    { m_someMember = someMember;
    }

    protected
:

/**
    * TODO_description_of_function.
    * @param someParam TODO_describe_parameter.
    * @return TODO_describe_return_value.
    */
    virtual

    int
    someFunction(

        int
        someParam);

    private
:

    int
    m_someMember;
    // TODO_purpose_and_units.
};

#endif
// CLASSNAME_H

```

This next sample shows the ASTG Standard C++ template for the implementation (.cpp) file:

```

/*****
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 *****/

 * Author  TODO_name, TODO_organization
 * Date    TODO_dd_mmm_yyyy
 *
 * See <CLASS_NAME>.h for a description of this code
 *
 * Revision History:
 * TODO_describe_appropriate_changes
 *****/

// TODO_add_include_files
#include
"CppTypeTemplate.h"

ClassName::ClassName( )
{

// TODO_implement
}

ClassName::~ClassName( )
{

// TODO_implement
}

//
TODO_describe_implemetation_details_for_developers

    int
ClassName::someFunction(

    int
someParam)
{

// TODO_implement

    return
    0;
}

```